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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/003,651	11/14/2001	Yung-Fa Cheng	60603-300501	8370

7590 10/06/2003
Perkins Coie LLP
101 Jefferson Drive
Menlo Park, CA 94025-1114

EXAMINER

NGO, HUYEN LE

ART UNIT	PAPER NUMBER
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2871

DATE MAILED: 10/06/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Applicati n No.

10/003,651

Applicant(s)

CHENG ET AL.

Examin r

Julie-Huyen L. Ngo

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-4 and 6-8 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on ____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☒ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) ____.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Priority

Acknowledgment is made of applicant's claim for foreign priority based on an application filed in Taiwan, R.O.C. on February 15, 2001. It is noted, however, that applicant has not filed a certified copy of the priority application as required by 35 U.S.C. 119(b).

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-4, 6 and 7 are rejected under 35 U.S.C. 102(b) as being anticipated by Nakamura et al. (US4111533A).

With respect to **claim 1**, Nakamura et al. teach (Figs. 1-4) forming a slidably detachable mobile phone display unit comprising:

- a frame (support plates 12/13), which comprises a chamber into which a display panel is fixed;
- an outer covering, which is jointed to the frame in a slidably detachable way.

wherein

- the display panel is a Liquid Crystal Display (LCD) (**claim 2**).

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- the outer covering comprises a guiding slot corresponding to a sliding channel of the frame and the outer covering is slidably detachable from the frame by means of the guiding slot and the sliding channel (**claim 3**).
- the frame is made of engineering plastics (**claim 6**).
- the frame is formed through a die-casting process using aluminum (**claim 7**).

With respect to **claim 4**, Nakamura et al. teach (Figs. 1-4) forming a slidably detachable mobile phone display unit comprising:

- a frame (support plates as shown in Figs. 1 and 2), which comprises a chamber into which a display panel is fixed
- an outer covering, which is jointed to the frame in a slidably detachable way

wherein

- the outer covering 50 comprises a screw hole 50e corresponding to a tooling hole of the frame; and the outer covering is fastened to the frame using a screw passing through the screw hole and the tooling hole

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 8 is rejected under 35 U.S.C. 103(a) as being unpatentable over Nakamura et al. (US4111533A).

It is well known in the art for a frame of display is made of aluminum or magnesium for easy processing in manufacturing a frame due to their durable and light characteristics as evidenced by the display housing/ frame 60 in Boyle et al. display device (US4958889).

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to further modify a slidably detachable mobile phone display unit with the frame of display made of aluminum or magnesium for easy processing in manufacturing a frame, and for having a durable and light weight display unit.

Allowable Subject Matter

Claim 5 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is an examiner's statement of reasons for allowance:

The following claims are allowable because there is no prior art of record that teaches:

Claim 5

a mobile phone display unit with the outer covering comprising an upper joint casing with the screw hole, an extension section and an upper opening; and a lower joint casing with a junction section and a lower opening; wherein the

junction section joins up with the extension section allowing the lower opening to form an opening with the upper opening.

Claims 9-15

a slidably detachable mobile phone display unit comprising a frame, which comprises a tooling hole and a chamber into which a display panel is fixed; and an outer covering which comprises an opening and a screw hole, is jointed to the frame in a slidably detachable way with the display panel being exposed through the opening; and a screw, having been screwed into the tooling hole through the screw hole, fastens the frame and the outer covering.

Claims 10-15 are allowed since they depend on the allowed claim 9.

Conclusion

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

The prior art made of record and not relied upon is considered pertinent to Applicant's disclosure:

Kushita (US6118436A) discloses (FIG. 1 to FIGS. 8A and 8B) a portable terminal apparatus constituted by a main body 1 made of a flat rectangular housing, and a lid 2 which can be mounted on and detached from the main body 1 with slide mechanisms.

Kawata et al. (US5161028A) disclose a car-mounted video displaying apparatus according to the present invention comprises a holding part provided in a housing part within a car, a first slider slidably provided in this holding part, a second slider further slidable along this first slider, a liquid crystal display provided rotatably through a hinge provided at the tip of this second slider, an engaging means for engaging the above mentioned liquid crystal display, second slider and first slider within the above mentioned holding part and an energizing means for energizing the above mentioned second slider, liquid crystal display and first slider in the sliding direction while engaged by this engaging means and moving them in the sliding direction when the engagement by the engaging means is released.

Kim et al. (US 20010009847A1) discloses the drawer-type mobile phone of the present invention includes a main body 10 having a key pad 12 and an LCD part 13 which are selectively opened and closed, a drawer cover 20 which is slidably moved vertically and an operating unit for controlling the opening and closing operation of the drawer cover 20.

Contact Information

Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Julie-Huyen L. Ngo whose telephone number is (703) 305-3508. The Examiner can normally be reached on T-Friday.

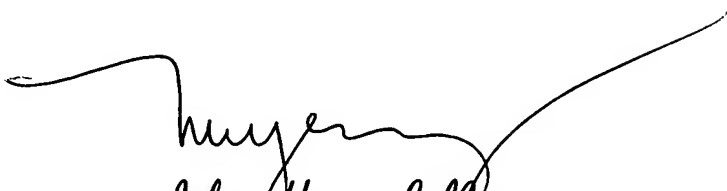
If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's Supervisor, Mr. Robert H. Kim can be reached at (703) 305-3492.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

September 29, 2003



Julie-Huyen L. Ngo
Patent Examiner
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